



**State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES**

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406

FAX (603) 271-7894

October 19, 2001

**Letter of Deficiency**

DAM #014.26



Mrs. Joanne Heger  
Locke Lake Colony Association  
Locke Lake Colony  
Center Barnstead, NH 03225

RE: Locke Recreation Pond, Barnstead

Dear Mrs. Heger:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on July 31, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

The pond drain gate valve flange was leaking;

2. There was debris at the base of the drop inlet;
3. Both concrete training walls for the principle spillway outlet were cracked;
4. The crest of the dam was not level;
5. The upstream face of the dam was eroded in places most likely due to rodent activity and wave run-up; and
6. There was no operation and maintenance plan on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**December 1, 2001:**

1. Repair the leakage that is occurring within the pond drain gate valve flange;

Remove the debris from the base of the drop inlet;

Repair the cracked concrete principle spillway outlet training walls;

4. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel;

**November 1, 2002:**

5. Regrade and level the crest of the dam; and

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6. Repair the upstream face of the dam that is eroded in places most likely due to rodent activity and wave run-up. Consider armoring the upstream face of the dam with riprap, 6-inch or greater.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Based on our phone conversation on October 11, 2001, we understand that some of these deficiencies have been completed. Please note this on the Intent form and we will schedule a followup inspection to check on these items. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

**COPY**  
*Grace E. Levergood*

Grace E. Levergood, P.E.  
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13  
cc: Gretchen Rule  
Town of Barnstead  
Certified # 7099 3400 0002 9772 8076  
GEL/was/h:/safety/wendy/lod/014-26lod.doc